

# Sequence listing

## SEQUENCE LISTING

<110>Natsume, Tohru  
Watanabe, Ken

<120>

Novel interaction between proteins, and therapeutic agent for disuse muscular atrophy or method associated with disuse muscular atrophy taking advantage of novel interaction

<130> 039371-17

<160> 5

<210> 1

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<223> ZNF216(Zub 1)

<400> 1

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Thr	Gly	Cys	Gly	Phe	Tyr	Gly	Asn	Pro	Arg	Thr	Asn	Gly	Met	Cys
				20					25					30
Ser	Val	Cys	Tyr	Lys	Glu	His	Leu	Gln	Arg	Gln	Gln	Asn	Ser	Gly
				35					40					45
Arg	Met	Ser	Pro	Met	Gly	Thr	Ala	Ser	Gly	Ser	Asn	Ser	Pro	Thr
				50					55					60
Ser	Asp	Ser	Ala	Ser	Val	Gln	Arg	Ala	Asp	Thr	Ser	Leu	Asn	Asn
				65					70					75
Cys	Glu	Gly	Ala	Ala	Gly	Ser	Thr	Ser	Glu	Lys	Ser	Arg	Asn	Val
				80					85					90
Pro	Val	Ala	Ala	Leu	Pro	Val	Thr	Gln	Gln	Met	Thr	Glu	Met	Ser
				95					100					105
Ile	Ser	Arg	Glu	Asp	Lys	Ile	Thr	Thr	Pro	Lys	Thr	Glu	Val	Ser
				110					115					120
Glu	Pro	Val	Val	Thr	Gln	Pro	Ser	Pro	Ser	Val	Ser	Gln	Pro	Ser
				125					130					135
Thr	Ser	Gln	Ser	Glu	Glu	Lys	Ala	Pro	Glu	Leu	Pro	Lys	Pro	Lys
				140					145					150
Lys	Asn	Arg	Cys	Phe	Met	Cys	Arg	Lys	Lys	Val	Gly	Leu	Thr	Gly
				155					160					165
Phe	Asp	Cys	Arg	Cys	Gly	Asn	Leu	Phe	Cys	Gly	Leu	His	Arg	Tyr
				170					175					180
Ser	Asp	Lys	His	Asn	Cys	Pro	Tyr	Asp	Tyr	Lys	Ala	Glu	Ala	Ala
				185					190					195
Ala	Lys	Ile	Arg	Lys	Glu	Asn	Pro	Val	Val	Val	Ala	Glu	Lys	Ile
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Gln	Arg	Ile												
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<211> 208

<212> PRT

<213> Homo sapiens

<220>

<223> AWP1(Zub 2)

<400> 2

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Thr	Gly	Cys	Gly	Phe	Tyr	Gly	Asn	Pro	Arg	Thr	Asn	Gly	Met	Cys
				20					25					30
Ser	Val	Cys	Tyr	Lys	Glu	His	Leu	Gln	Arg	Gln	Asn	Ser	Ser	Asn
				35					40					45
Gly	Arg	Ile	Ser	Pro	Pro	Ala	Thr	Ser	Val	Ser	Ser	Leu	Ser	Glu
				50					55					60
Ser	Leu	Pro	Val	Gln	Cys	Thr	Asp	Gly	Ser	Val	Pro	Glu	Ala	Gln
				65					70					75
Ser	Ala	Leu	Asp	Ser	Thr	Ser	Ser	Ser	Met	Gln	Pro	Ser	Pro	Val
				80					85					90
Ser	Asn	Gln	Ser	Leu	Leu	Ser	Glu	Ser	Val	Ala	Ser	Ser	Gln	Leu

# Sequence listing

Asp Ser Thr Ser	Val	Asp Lys Ala Val	Pro Glu Thr Glu Asp	Val
Gln Ala Ser Val	Ser	Asp Thr Ala Gln	Gln Pro Ser Glu Glu	Gln
Ser Lys Ser Leu	Glu	Lys Pro Lys Gln	Lys Lys Asn Arg Cys	Phe
Met Cys Arg Lys	Lys	Val Gly Leu Thr	Gly Phe Glu Cys Arg	Cys
Gly Asn Val Tyr	Cys	Gly Val His Arg	Tyr Ser Asp Val His	Asn
Cys Ser Tyr Asn	Tyr	Lys Ala Asp Ala	Ala Glu Lys Ile Arg	Lys
Glu Asn Pro Val	Val	Val Gly Glu Lys	Ile Gln Lys Ile	

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 <212> DNA  
 <213> Homo sapiens  
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 <223> ZNF216  
 <400> 3

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 <223> AWP1  
 <400> 4

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cctgcaacct	ctgtcagtag	tctgtctgaa	tctttaccag	ttcaatgcac	200
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gcatcttctc	aattggacag	tacatctgtg	gacaaagcag	tacctgaaac	350
agaagatgtg	caggcttcag	tatcagacac	agcacagcag	ccatctgaag	400
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tgtttactgt	ggtgtacacc	gttactcaga	gtacacaaat	tgctcttaca	550
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 <212> RNA  
 <213> Homo sapiens  
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 <223> siRNA of AWP1  
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